Kentucky Board of Emergency Medical Services
Combitube® Written Examination

Name: _____ EMT # _____

EMS Agency: _____ Date: ____/____/____

True / False (circle one)

1) To be certified to use the Combitube ®, an **EMS agency** must provide at least 1 Combitube ® trained EMT for each shift, for each ambulance operated by that agency. **True False**

2) An EMT, after initial Combitube® training, must be re-certified in the use of the Combitube® every 12 months. **True False**

3) An EMT, after initial Combitube® training, may use the Combitube® within any Combitube certified EMS agency. **True False**

4) An EMT, after initial Combitube® training, may use the Combitube® within any county in Kentucky. **True False**

5) An EMT, trained to use the Combitube ® by a State or Local agency **other than the Commonwealth of Kentucky**, may use the Combitube® in the Commonwealth without additional training. **True False**

6) The SAED should be used **before** the Combitube® in cardiac arrest patients. **True False**

7) The Combitube® may be used on patients less than 18 years of age. **True False**

8) If breath sounds are not appreciated after Combitube® insertion, while attempting ventilation through tube #2, the Combitube® should be removed and ventilation using basic airway techniques should continue. **True False**

9) Contraindications to Combitube® or Combitube SA ® use include ages of less than 18 years, ingestion of a corrosive substance, known esophageal disease, C-collar in place, spontaneous respirations, responsive patients with an intact gag reflex, and a height less than 4 feet 0 inches. **True False**

10) Combitube® use requires 2 rescuers. **True False**

Circle the ONE BEST ANSWER

11) Rescue breathing for an adult patient consists of one breath every:

a) 3 seconds
b) 5 seconds
c) 7 seconds
d) 10 seconds
e) 12 seconds

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12) The Combitube® will usually be inserted into the:
- a) Trachea
- b) Esophagus
- c) Nasal Passages

13) In the cardiac arrest patient, Combitube® insertion should be attempted:
- a) before SAED use
- b) after the initial SAED analysis or shock series, during the first CPR cycle
- c) after the second SAED analysis or shock series, during the second CPR cycle
- d) after 5 minutes of transport

14) While inflating **cuff #1**, how many cc's of air should be used?
- a) 10
- b) 100
- c) 50
- d) 15
- e) 115

15) While inflating **cuff #2**, how many cc's of air should be used?
- a) 10
- b) 100
- c) 50
- d) 15
- e) 115

16) After insertion of the Combitube®, and inflation of both cuffs, the EMT should:
- a) connect the bag/valve to tube #2 and listen for breath sounds
- b) connect the bag/valve to tube #2 and listen over the epigastrium
- c) connect the bag/valve to tube #1 and listen for breath sounds
- d) connect the bag/valve to tube #1 and listen over the epigastrium
- e) connect the demand valve and listen for breath sounds

17) After insertion of the Combitube® and inflation of both cuffs, while ventilating through tube #1the EMT **does not** hear breath sounds. He/she should:
- a) remove the Combitube® and attempt re-insertion
- b) continue to ventilate through tune #1
- c) ventilate through tube #2 and listen for breath sounds
- d) ventilate through tube #2 and listen over the epigastrium
- e) remove the Combitube® and await ALS arrival

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18) If an EMT encounters resistance while inserting the Combitube® on the **first attempt** he/she should:

a) re-direct and attempt to re-insert
b) force the Combitube® into the esophagus
c) abandon intubation attempts and ventilate using basic airway techniques
d) force the Combitube® into the trachea

19) If an EMT encounters resistance while inserting the Combitube® on the **second attempt** he/she should:

a) re-direct and attempt to re-insert
b) force the Combitube® into the esophagus
c) abandon intubation attempts and ventilate using basic airway techniques
d) force the Combitube® into the trachea

20) Complications from Combitube® use include all of the following **EXCEPT:**

a) Rupture or tear of the esophagus
b) Bleeding
c) Punture of a carotid artery
d) Puncture or tear of the posterior pharynx
e) Pneumothorax
f) Death from asphyxiation due to improper determination of breath sounds and subsequent attempted ventilation through the wrong tube
g) Vocal cord injury
h) Nasal bone fracture

21) The EMT should perform the following skill after mobilizing ALS and determining that a patient is unresponsive and apneic (not breathing):

a) Attempt to deliver 2 rescue breaths
b) Insert Combitube®
c) Apply SAED
d) Start CPR
e) Check for a pulse

22) For an unconscious apneic (not breathing) patient, place the following skills in order by placing numbers 1 – 5 next to the skill. (Assume that no pulse is detected with pulse check)

___ Check for pulse
___ Deliver 2 rescue breaths
___ Start CPR
___ Apply SAED
___ Insert Combitube ® after second analysis or shock cycle

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23) The 2 black lines on the Combitube®, after proper insertion, should straddle the:

a) Lower central teeth or gums
b) Upper lip
c) Lower lip
d) Upper central teeth or gums

24) The Combitube SA is used for small adults. It is never used for patients shorter than 4ft 0 inches. It is used for small adults who are taller than 4 ft but shorter than:

a) 5ft 6inches
b) 5ft 9inches
c) 4ft 6inches
d) 6ft 0inches
e) 6ft 2inches

25) The Combitube ® (**NOT COMBITUBE SA)** is used for adults who are taller than:

a) 5ft 6inches
b) 5ft 0inches
c) 4ft 6inches
d) 6ft 0inches
e) 6ft 2inches

26) Contraindications to the use of the Combitube **or** Combitube SA include all of the following **EXCEPT**

a) Age < 18yrs
b) Known esophageal disease
c) Ingestion of a caustic substance
d) Height less than 5ft 0inches
e) Responsive patients with an intact gag reflex

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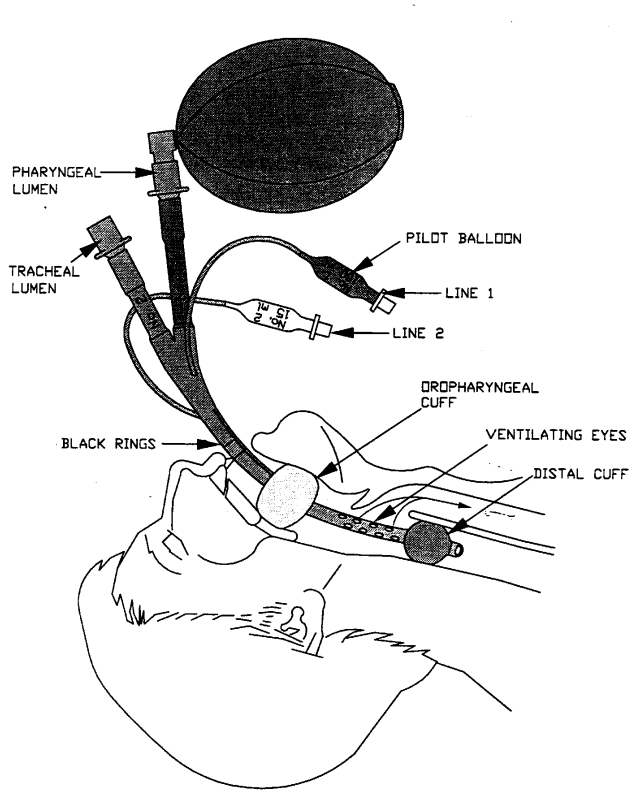

Diagram 1

Questions 27 – 29 refer to Diagram 1 (above)

27) This diagram shows the Combitube in the esophageal position. What percentage of the time will the Combitube be inserted in this position?

a) 5%
b) 50%
c) 80%
d) 95%

28) How much air is inflating the large cuff?

a) 10cc
b) 15cc
c) 50cc
d) 100cc

29) The Bag/Valve is attached to tube #:

a) 1
b) 2

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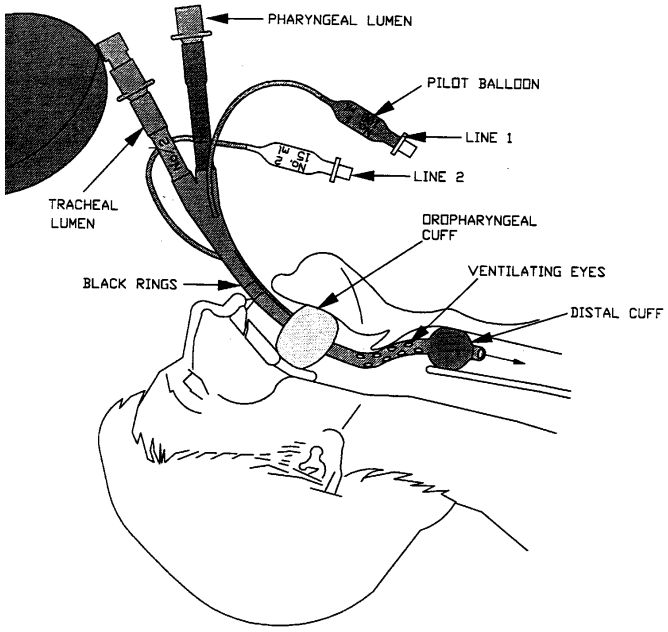

Diagram 2

Questions 30 – 32 Refer to Diagram 2 (above)

30) This diagram depicts the Combitube® inserted into the:

a) Esophagus
b) Trachea
c) Nose

31) How much air is inflating the small cuff?

a) 10cc
b) 15cc
c) 50cc
d) 100cc

32) What percentage of the time will the Combitube® be inserted in this position?

a) 5%
b) 50%
c) 80%
d) 95%

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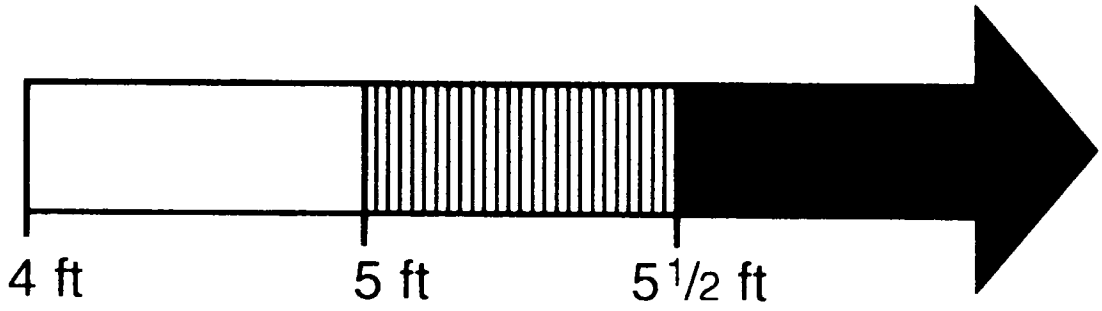

Diagram 3

33) On Diagram 3 (Above) circle the 2 lengths that define the size limits for the **Combitube® SA.**

34) If the Combitube needs to be removed, the EMT should:

a) Remove the Combitube® with the cuffs inflated
b) Remove the Combitube® with the cuffs deflated
c) Prepare suctioning equipment, turn the patient to the side, deflate both cuffs and remove the Combitube®
d) Wait until ALS arrives

35) If either of the pilot balloons do not stay inflated after inserting the proper quantity of air, the EMT should:

a) Continue to use the Combitube®.
b) Deflate the functioning cuff and remove the Combitube® then maintain the airway and ventilate using basic airway techniques.
c) Remove the Combitube® then maintain the airway and ventilate using basic airway techniques.
d) Stop resuscitation efforts.